

Attorney's Docket No. 3339-392

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Guy Serre et al.  
Appl. No.: 09/254,032  
Filed: April 26, 1999  
For: ANTIGENS DERIVED FROM  
FILAGGRIN AND THEIR USE FOR  
DIAGNOSING RHEUMATOID  
POLYARTHRITIS

Group Art Unit: 1652  
Examiner: A. Pawul

#9 7/11/00  
TBray

May 30, 2000

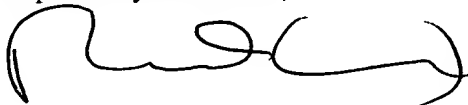
**STATEMENT IN SUPPORT OF FILING A  
SEQUENCE LISTING UNDER 37 CFR § 1.821(f)**

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

I hereby state that the content of the paper and computer readable copies of the Sequence Listing, submitted concurrently herewith in accordance with 37 CFR § 1.821(c) and (e), are the same.

Respectfully submitted,



Raymond O. Linker, Jr.  
Attorney/Agent for Applicant  
Registration No. 26,419

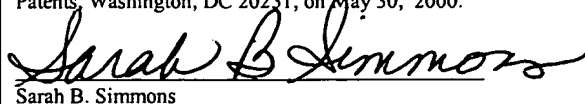
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**CERTIFICATE OF MAILING**

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Sarah B. Simmons



1067s1

SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT:

- (A) NAME: BIOMERIEUX
  - (B) STREET: Chemin de l'Orme
  - (C) CITY: MARCY-L'ETOILE
  - (E) COUNTRY: FRANCE
  - (F) POSTAL CODE: 69280
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- (A) NAME: SERRE Guy
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10 avenue Winston Churchill
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  - (E) COUNTRY: FRANCE
  - (F) POSTAL CODE: 31100
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- (A) NAME: GIRBAL-NEUHAUSER Elisabeth
  - (B) STREET: 22 rue Matelache
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  - (F) POSTAL CODE: 31000
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- (A) NAME: VINCENT Christian
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  - (C) CITY: LAUZERVILLE
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- (A) NAME: SIMON Michel
  - (B) STREET: 152, chemin du Pech
  - (C) CITY: ESCALQUENS
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- (A) NAME: SEBBAG Mireille
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  - (C) CITY: TOULOUSE
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  - (F) POSTAL CODE: 31500
- 
- (A) NAME: DALBON Pascal
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  - (C) CITY: LYON
  - (E) COUNTRY: FRANCE
  - (F) POSTAL CODE: 69006

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(A) NAME: JOLIVET-REYNAUD Colette  
(B) STREET: 16, avenue des Colonnes  
(C) CITY: BRON  
(E) COUNTRY: FRANCE  
(F) POSTAL CODE: 69500

(A) NAME: ARNAUD Michel  
(B) STREET: 63, rue Gervais Bussière  
(C) CITY: VILLEURBANE  
(E) COUNTRY: FRANCE  
(F) POSTAL CODE: 69100

(A) NAME: JOLIVET Michel  
(B) STREET: 16, avenue des Colonnes  
(C) CITY: BRON  
(E) COUNTRY: FRANCE  
(F) POSTAL CODE: 69500

(ii) TITLE OF THE INVENTION: ANTIGENS DERIVED FROM FILAGGRINS AND THEIR USE FOR THE DIAGNOSIS OF RHEUMATOID ARTHRITIS

(iii) NUMBER OF SEQUENCES: 6

(iv) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk  
(B) COMPUTER: IBM PC compatible  
(C) OPERATING SYSTEM: PC-DOS/MS-DOS  
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30

(EPO)

(2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 24 base pairs  
(B) TYPE: nucleotide  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

TTCCTATACC AGGTGAGCAC TCAT

24

(2) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 25 base pairs  
(B) TYPE: nucleotide  
(C) STRANDEDNESS: single

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(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

AGACCCTGAA CGTCCAGACC GTCCC

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(2) INFORMATION FOR SEQ ID NO: 3:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 49 amino acids

(B) TYPE: amino acid

(C) STRANDEDNESS:

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

Ser	Thr	Gly	His	Ser	Gly	Ser	Gln	His	Ser	His	Thr	Thr	Thr	Gln	Gly
1				5					10					15	
Arg	Ser	Asp	Ala	Ser	Arg	Gly	Ser	Ser	Gly	Ser	Arg	Ser	Thr	Ser	Arg
			20					25					30		
Glu	Thr	Arg	Asp	Gln	Glu	Gln	Ser	Gly	Asp	Gly	Ser	Arg	His	Ser	Gly
		35					40					45			
Ser															

(2) INFORMATION FOR SEQ ID NO: 4:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 37 amino acids

(B) TYPE: amino acid

(C) STRANDEDNESS:

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

Ser	Gln	Asp	Arg	Asp	Ser	Gln	Ala	Gln	Ser	Glu	Asp	Ser	Glu	Arg	Arg
1				5					10					15	
Ser	Ala	Ser	Ala	Ser	Arg	Asn	His	Arg	Gly	Ser	Ala	Gln	Glu	Gln	Ser
			20					25					30		
Arg	Asp	Gly	Ser	Arg											
		35													

(2) INFORMATION FOR SEQ ID NO: 5:

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- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 14 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS:
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

Glu Gln Ser Ala Asp Ser Ser Arg His Ser Gly Ser Gly His  
1 5 10

(2) INFORMATION FOR SEQ ID NO: 6:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 14 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS:
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

Glu Ser Ser Arg Asp Gly Ser Arg His Pro Arg Ser His Asp  
1 5 10